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July 11, 2005

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUBJECT: Applicant: Dubé *et al.*  
Serial No: 10/601,606  
Filed: June 23, 2003  
For: INTEGRATED ELECTROFLUIDIC SYSTEM AND  
METHOD  
Examiner: Fox, John C.  
Group: 3753  
Docket No: DR-352J

Dear Sir:

Enclosed is a RESPONSE in reply to the Office Action mailed May 24, 2005 in the subject application.

If for any reason this RESPONSE is found to be INCOMPLETE, or if at any time it appears that a TELEPHONE CONFERENCE with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts at (781) 890-5678.

If any payment during prosecution is found to be incorrect, please charge any deficiency or credit any overpayment to my Deposit Account No. 09-0002. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

In addition, pursuant to Rule 1.136(a)(3), the Office is hereby authorized to treat any future reply requiring an extension of time as incorporating a request therefor. Also, any request or Petition for an Extension of Time notwithstanding an inadvertent reference in the Petition to a shorter period of time is to be treated as requesting the appropriate length of time.

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Sincerely,

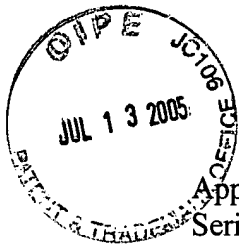
Roy J. Coleman  
Reg. No. 48,863

RJC/mgt  
Enclosures

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service via first-class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 11, 2005.

Marianne G. Tarczal



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

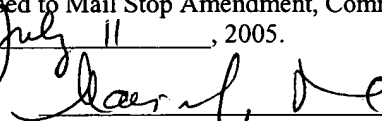
Applicant: Dubé *et al.*  
Serial No.: 10/601, 606  
Filed: June 23, 2003  
For: INTEGRATED ELECTROFLUIDIC  
SYSTEM AND METHOD

Confirm. No.: 8958  
Group: 3753  
Examiner: Fox, John C.  
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Marianne G. Tarczal

RESPONSE

This Response is in reply to the Office Action mailed May 4, 2005 in the subject application.

REMARKS

The Examiner rejects claims 1-3, 9, 11, 13, 15-17, 19, 21-22, 34-36, 38-41, and 44-45 under 35 U.S.C. §102(b) as being anticipated by Zdeblick (U.S. Patent No. 4,824,073).

The applicants' claimed integrated electrofluidic system as recited in claim 1 includes: 1) an electronic control system mounted on a support platform; 2) a microfluidic system embedded in the platform and having an input and an output and at least one electrofluidic component; and 3) at least one electrical conductor carried by the platform for